Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/03/2015 12:06 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125052	0	1.50	124872	1.43
Blue	F	SSC	125000	123684	-2	2.63	124606	2.34
Blue	E	FITC	17374	16698	-4	2.36	940	8.66
Blue	D	PE	22653	22149	-3	1.93	1001	7.74
Blue	B	PerCP-Cy5-5	64987	63594	-3	2.64	1685	12.65
Blue	A	PE-Cy7	74081	72573	-3	3.68	953	24.61
Red	C	APC	61430	60970	-1	2.58	3443	7.91
Red	A	APC-Cy7	88289	87617	-1	2.63	1731	7.67
Violet	B	V450	12535	12143	-4	3.05	750	7.23
Violet	A	V500	47468	45993	-4	2.54	2598	5.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20210	5.61	589	10	N/A	N/A	Pass
Blue	F	SSC	61827	1.57	499	10	N/A	N/A	Pass
Blue	E	FITC	104	33.36	515	6	0.0265	61	Pass
Blue	D	PE	206	23.46	509	8	0.1851	126	Pass
Blue	B	PerCP-Cy5-5	203	38.02	589	9	0.0119	0	Pass
Blue	A	PE-Cy7	71	94.35	647	10	0.0151	3	Pass
Red	C	APC	322	25.22	572	2	0.0224	0	Pass
Red	A	APC-Cy7	109	36.31	549	3	0.0052	694	Pass
Violet	B	V450	80	37.89	449	0	0.0595	1857	Pass
Violet	A	V500	170	19.41	477	-1	0.0170	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.20	-30.88	0.89
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.31
Red	15.20	13.07 - 19.61	N/A	N/A	31.49	31.64	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 14979

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments